

PROCEDURE FOR COLLECTING SEL SAMPLES

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A:OBJECTIVE

The objective of the sampling procedure is to ensure the sample is representative of the tank liquor and is not contaminated. The SEL samples are used to determine microbiologic activity. To ensure accurate microbic counts, the samples must be transported to the lab as soon after collection as possible.

B:EQUIPMENT

- 1.Approved safety glasses or goggles
- 2.Natural or butyl rubber gloves.
- 3.Sterile 15 ml centrifuge tubes.

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C:SAFETY PRECAUTIONS

Refer to Material Safety Data Sheet on Processed Tobacco Extract, MSDS no. 05242. SEL is a tobacco extract and may contain high concentrations of nicotine which is readily absorbed through the skin. Protective equipment must be worn as a precaution to eliminate direct contact with SEL. Wash hands after handling. Do not get in eyes, on skin or clothing. Store samples in tightly closed containers.

D:PROCEDURE

According to Operating Standard MICO-6, the samples are to be pulled no sooner than 0715. A lab technician will pick up these samples between 0730 and 0745, Monday through Friday. The sample tube should be marked to indicate date, time, production line and tank (CFT or EFT).

- 1.Wear safety glasses and gloves.
- 2.Determine proper sample port on discharge of tank in service (see section E). All samples should be collected from the feed pumps located on the first floor.
- 3.Open port and flush for at least 15 sec.
- 4.Collect sample and replace top securely.
- 5.Close port and hose down all spills.
- 6.Wash protective equipment and hands.

E:SAMPLE PORTS

- 1.Line 1 CFT sample port is the 3/4" pipe on a cleaner feed pump that is running.
- 2.Line 1 EFT sample port is the 3/4" pipe on an evaporator feed pump that is running.
- 3.Line 2 CFT sample port is the 1 1/2" pipe on the East end of the pump header. This port may require a longer flush time depending upon the pump and tank in service.
- 4.Line 2 EFT sample port is the 3/4" pipe on an evaporator feed pump that is running.

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5. Line 3 CFT sample port is the 1 1/4" pipe on the discharge pipe of the tank in service.
6. Line 3 EFT sample port is the 3/4" pipe on the discharge of an evaporator feed pump that is running.

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